4TV User Manual

Ver. 1.0

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Brief Introduction

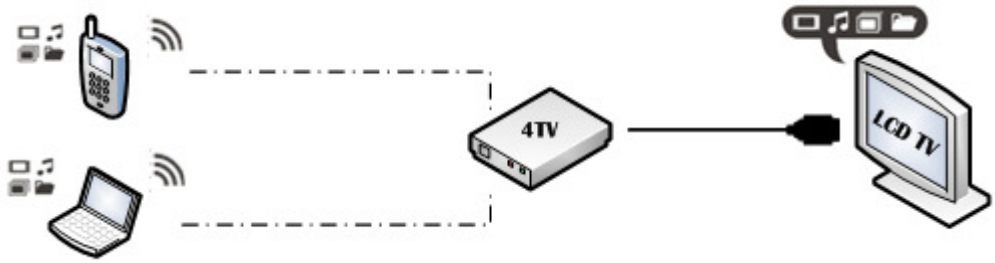
4TV is a leading digital media device that wirelessly plays media/work files from a Windows computer or any smart device, such as iPhone, iPad, Android Phone and Android Pad, directly on a LCD TV.

With this breakthrough technology, you can share photos, movies or work presentations conveniently and comfortably on a big TV screen with family, friends or colleagues.

Two Wireless Network Connection Modes

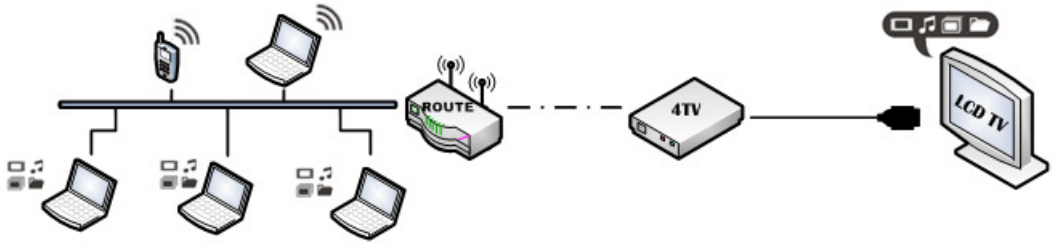
- AP Mode

The 4TV device acts as a wireless access point. Your Windows computer or smart device can connect to a 4TV device directly. This setup constructs a temporary wireless network for a non-wireless environment.



- LAN Mode

The 4TV device and your Windows computer or smart device connects to a same wireless network. This setup provides capability for remote operation and internet connection. However, this setup is vulnerable to any interference in the WiFi signal.



Setup Guide

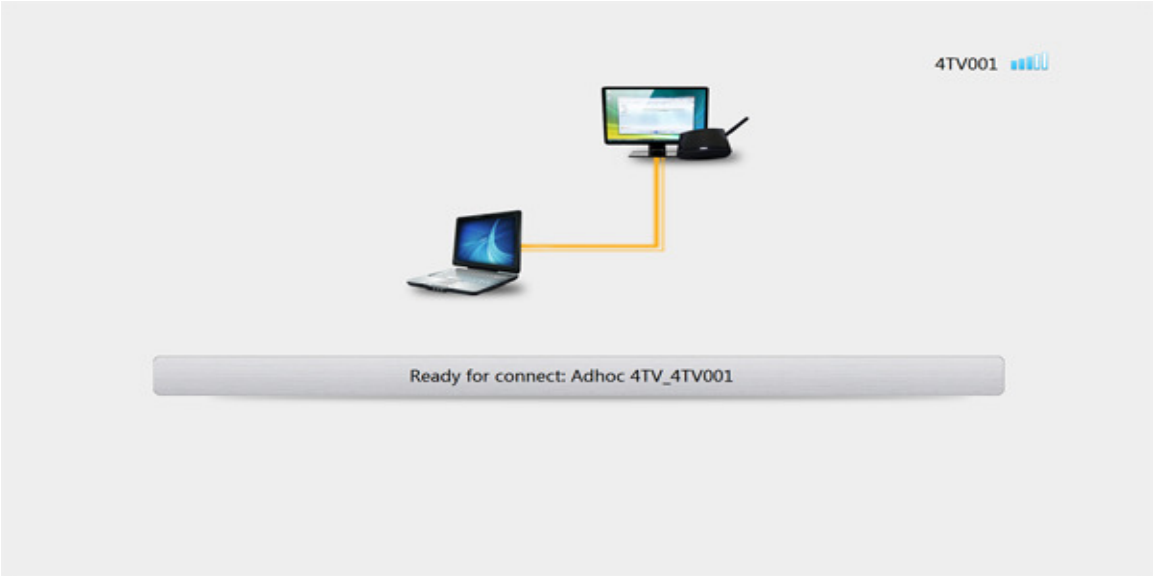
4TV Setup Guide includes two parts:

- Device Installation
- Client Controller Application Installation.

Device Installation

Step 1. Connect the HDMI output on the 4TV device to the LCD TV.
Step 2. Plug in the 4TV device power adapter to the outlet.
Step 3. Press the Power button on the 4TV device to turn it on.

4TV will be powered on. The Home Screen as below will be shown on the LCD TV screen when the system is ready.



When you use the 4TV device for the first time, the default connection mode of the 4TV device is the "AP mode". If you want to make the 4TV device connect to the wireless network, you can use the Remote Controller to configure the wireless network. For more detailed information, please refer to the "**Wireless Network Configuration**" (**page 7**) section.

You are able to connect to the device with the platform's control application, such as 4TV Windows Control application or 4TV Android Control application. Once connected, you can configure the wireless network connection. For more detailed information, please refer to the "**4TV Windows Control Application**" (**page 10**) and

"**4TV Android Control Application**" (**page 15**) sections.

Client Controller Applications Installation

The Client Controller Applications is the 4TV Remote Controller software that runs on Windows computer and mobile devices.

- **Windows Control Application installation**

Step 1. Get the Windows Control Application setup package from the 4TV CD.
Step 2. Double click on the setup application to run it.
(If your computer's OS is Windows 7 or Vista and UAC alerts you that the setup application needs permission to run it, click the [**YES**] button to continue.)
Step 3. You can select the installation language to guide your operation.
Step 4. When the license information is displayed, click the [**I Agree**] button to continue.
Step 5. Click the [**NEXT**] button or the [**INSTALL**] button to complete installation.
Additional components will be installed automatically.

The 4TV Windows Control application can be executed immediately after installation is completed by checking the [**Run application after installation**] option.

- **Android Control Application Installation**

Step 1. Get the Android Control Application file which is in the APK format from the 4TV CD.
Step 2. Copy the APK file to your Android phone's memory card and insert the card into your Android phone.
Step 3. To install the application on your Android phone, you need to change the installation rule: go to Settings -> Application Settings -> Enable Unknown Sources.
Step 4. Make sure a file manager application had been installed on your Android phone.
If a file manager application does not exist, you can find them in the Android Market. Examples include Astro File Manager, ES File Manager and File Expert.
Step 5. Open the file manager application. It will show all the APK files stored directly in the root directory of your phone's memory card.
Step 6. Just click on the Android Control Application file to install it.

- **iOS Control Application Installation**

Step 1. Access the Apple AppStore and search "4TV" application.

Step 2. Select the “4TV” application and install it.

4TV Device User Guide

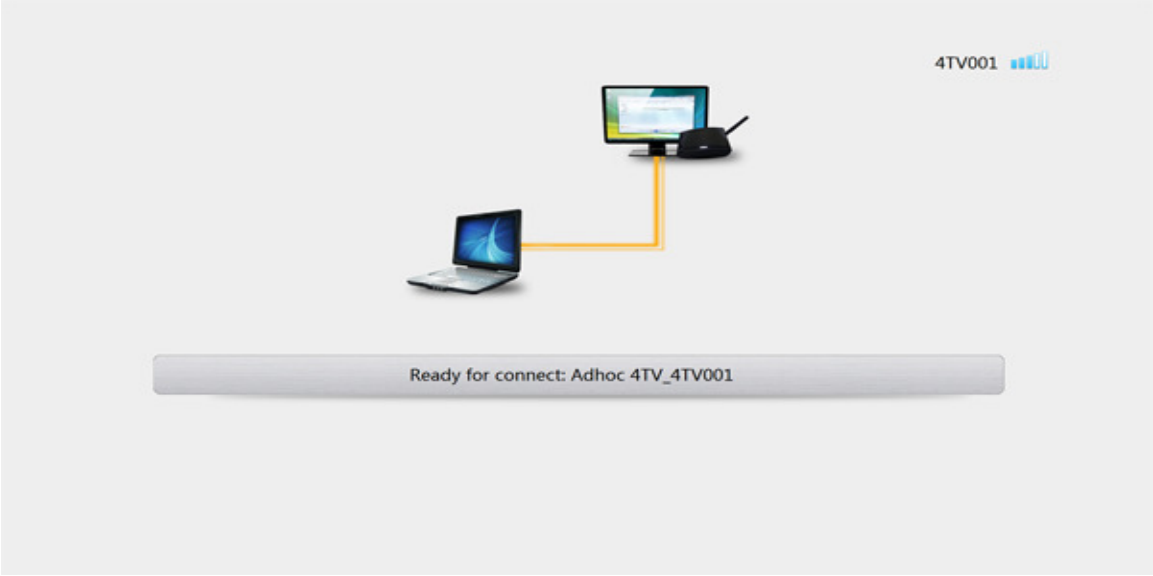
4TV Home Screen

After the 4TV Device has started, the 4TV Home Screen will be displayed on your TV. It shows the current network connection mode and the client device connection status.

If 4TV runs in LAN mode and is waiting for the client device to connect, the Home Screen will be shown as below.

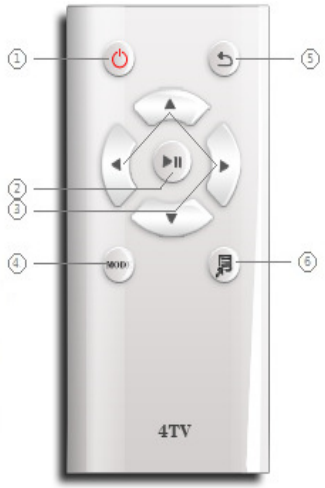
If 4TV runs in LAN mode and a PC client device is connected, the Home Screen will be shown as below.

If 4TV runs in AP mode and is waiting for client device to connect, the Home Screen will be shown as below.



IrDA Remote Controller (This is an optional device)

No.	Button Description
1	Power
2	OK
3	Navigation (Up, Down, Left, Right)
4	*Reserved*
5	Return
6	Menu



Wireless Network Configuration

To configure the wireless network for the 4TV device, you can follow the steps listed below:

Step 1. At first, plug in the 4TV device power adapter to the outlet and turn on the device. If the device is working, skip this step.

Step 2. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show “Application Menu”.

Step 3. Select the “WiFi Setting” item and press the [OK] button on the Remote Controller to show the available wireless network list.

Step 4. Use the [Up] or [Down] button on the Remote Controller to move the selection bar.

Step 5. Select the wireless network that you want to connect and press the [OK] button. If the wireless network is protected with a password, the Password Input screen will be shown. Otherwise, please go to Step 7.

Step 6. Use navigation buttons to move the selection cursor and press the [OK] button to input the selected character. After password input is complete, use the navigation button to locate the [Enter] key and press the [OK] button to submit the password.

Step 7. The 4TV device will try to connect to the specified wireless network. If it is successful, the wireless network information will be shown on the Home Screen; otherwise, the original connection will be kept and shown on the Home Screen.

Device Name Modification

The 4TV Device had been set to a default name when it was manufactured. User can

rename the device using the Remote Controller without other control applications.

Step 1. First, plug in the 4TV device power adapter to the outlet and turn on the device. If the device is working, skip this step.
Step 2. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show the “Application Menu”.
Step 3. Select the “System Setting” item and press the [OK] button on the Remote Controller.
Step 4. Select the “Rename Device” item and press the [OK] button on the Remote Controller.
Step 5. Use the navigation buttons to move the selection cursor and press the [OK] button to input the selected character. After name input is complete, use the navigation button to locate the “Enter” key and press the [OK] button to submit the name.
Step 6. The 4TV device will return to Home Screen and the new name will be shown.

Note: The device name should be in the English alphabets and/or underscores. And its length must be less than 12 characters long.

Language Setting

The 4TV Device supports multiple languages. Currently it supports English, Simplified Chinese, Traditional Chinese, and Japanese. You can change the system language using the Remote Controller.

Step 1. First, plug in the 4TV device power adapter to the outlet and turn on the device. If the device is working, skip this step.
Step 2. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show the “Application Menu”.
Step 3. Select the “System Setting” item and press the [OK] button on the Remote Controller.
Step 4. Select the “Language” item and press the [OK] button on the Remote Controller.
Step 5. Use the navigation buttons to move the selection bar to select the target language item and press the [OK] button to submit.
Step 6. Wait for the system to restart with the selected language.

Change Audio Output

There are 2 kinds of Audio output mode on the 4TV device. You can change it using

the Remote Controller.

Step 1. First, plug in the 4TV device power adapter to the outlet and turn on the device. If the device is working, skip this step.
Step 2. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show the Application Menu.
Step 3. Select the “System Setting” item and press the [OK] button on the Remote Controller.
Step 4. Select the “Audio Output” item and press the [OK] button on the Remote Controller.
Step 5. Use the navigation buttons on the Remote Controller to move the selection bar to select the target output mode.
Step 6. Select the “OK” button item and press the [OK] button on the Remote Controller to change the audio output.

Supported Media Format

4TV Device supports various media format.

- Video Format: AVI (XVID, AVC, MPEG1/2/4), MPG/MPEG, VOB, WMV9, ASF, MKV (h.264, x.264, AVC, MPEG1/2/4, VC-1), 3GPP(.mp4,.3gp,.mov), RMVB, RV8/9/10, FLV
- Audio Format: MP3, WAV/PCM/LPCM, WMA, AAC in 3GPP, FLAC, MKA, OGG, Dolby Digital (AC3), DTS (2 Channels Only)
- Photo Format: JPEG, BMP, GIF, PNG

The detail decode resolution list as following:

- MPEG2 MP@HL: up to 1920x1080p24, 1920x1080i30 or 1280x720p60 resolution.
- MPEG4.2 ASP@L5 up to 1920x1080p30 resolution and no support for global motion compensation.
- WMV9/VC-1 MP@HL up to 1280x720p60 or 1920x1080p24 resolution.
- VC-1 AP@L3 up to 1920x1080i30, 1920x1080p24 or 1280x720p60 resolution.
- Flash video (H.263, H.264) up to 1920x1080p24 or 1280x720p60 resolution.
- RMVB video up to 1920x1080p24 or 1280x720p60 resolution.
- H.264 MP@L4.1 and MP@L4.1 up to 1920x1080p30 or 1280x720p60 resolution

4TV Windows Control Application

The following list describes the recommended system requirements for 4TV Windows Control Application installation. Actual system requirements will vary, depending on system configuration and on the programs that you installed.

- OS: Windows 7 series
- CPU: Intel Core i5 or i7 (Sandy Bridge platform)
- RAM: 2G

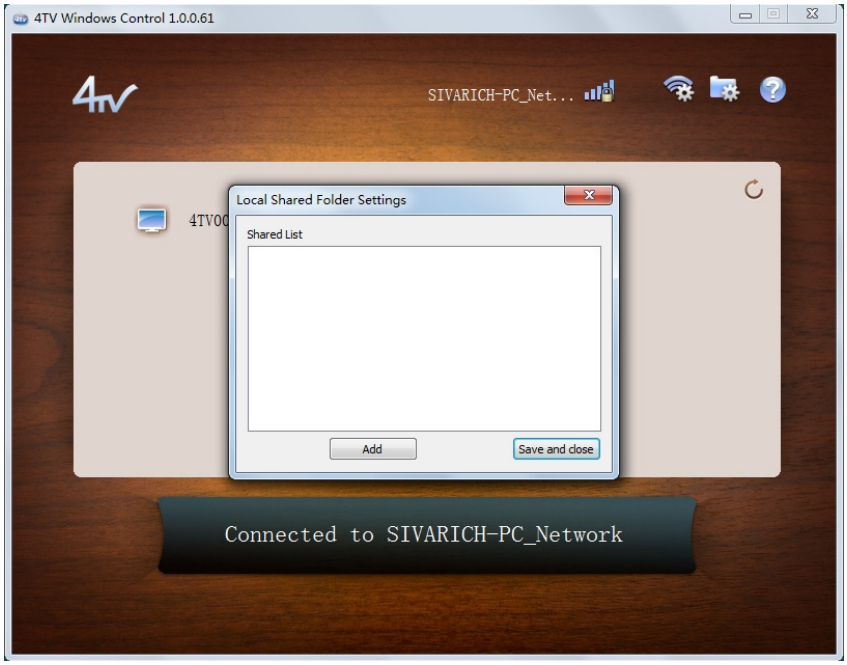
Run Application

You can double click the “4TV Window Control” shortcut icon that is on the desktop to run the application manually.

If the Windows firewall or other third party firewall applications alert that the 4TV Windows Control application requires network access, you should click the [**YES**] button to allow the application to connect to the network.

Set sharing folder

For first time users, the “Local Shared Folder Settings” window will be shown automatically.

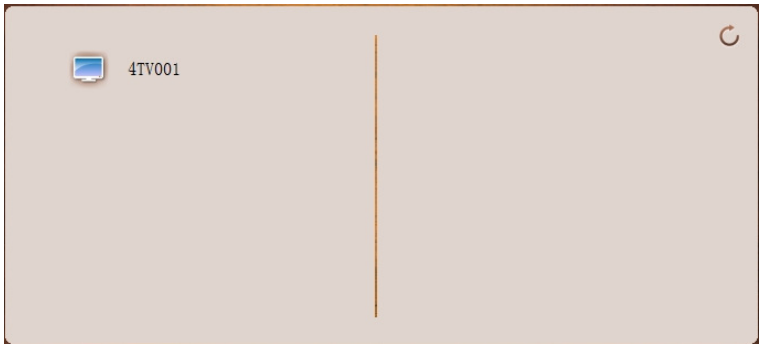


In the “Local Shared Folder Settings” window, you can add or remove the folder that contains media files you want to play remotely.

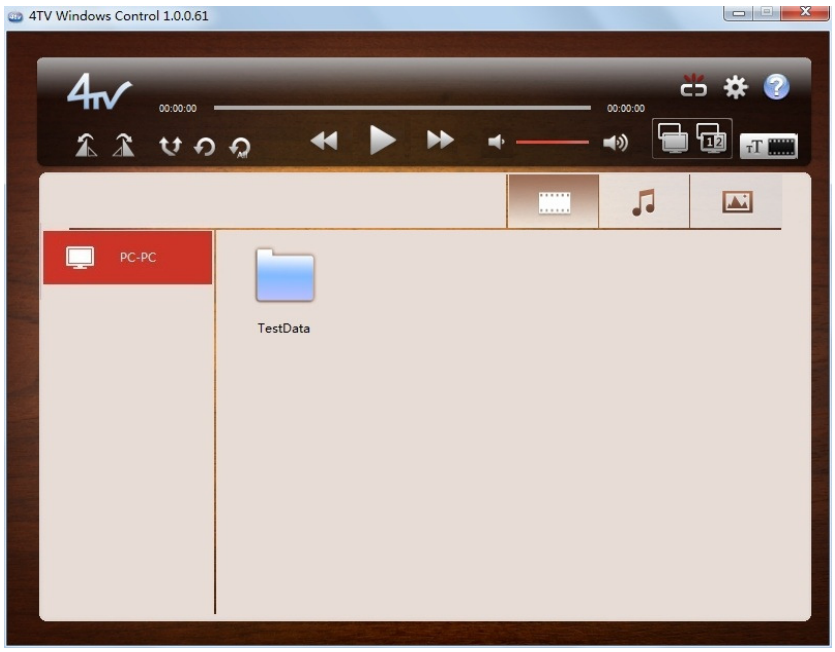
Alternatively, you can also set the sharing folder by clicking the [**sharing folder managemen**t] button ( ) while the 4TV Windows Control application is running.

Connect Devices to 4TV

The device list shows all 4TV devices that the 4TV Windows Control application found. These devices include all devices connected to the same wireless network as your Windows computer.



You can click the device icon to connect it. The Play window will be displayed after the device is connected to the 4TV device.



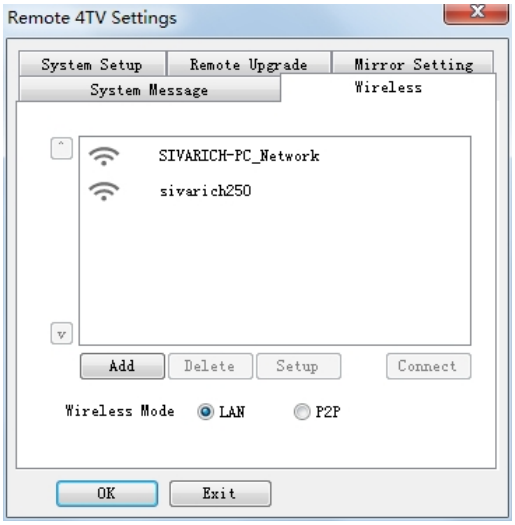
- Click the [**Network Switcher**] button ( ) to change the wireless network.

- Click the [**Refresh List**] button ( ) to refresh the device list.

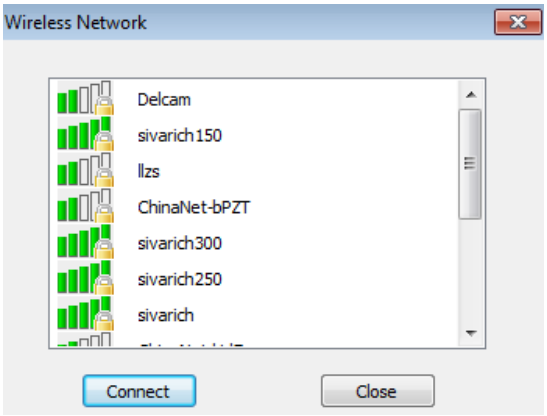
Configure the 4TV Device Wireless Network Connection

In the "Play" Window, open the "Setting" window by clicking the [**Setting**] button ( ).

Add your preferred wireless network to the "preferred network list" and switch the 4TV device from AP mode to LAN mode.



In the "Wireless" tab page, click the [Add] button to show the wireless network list.

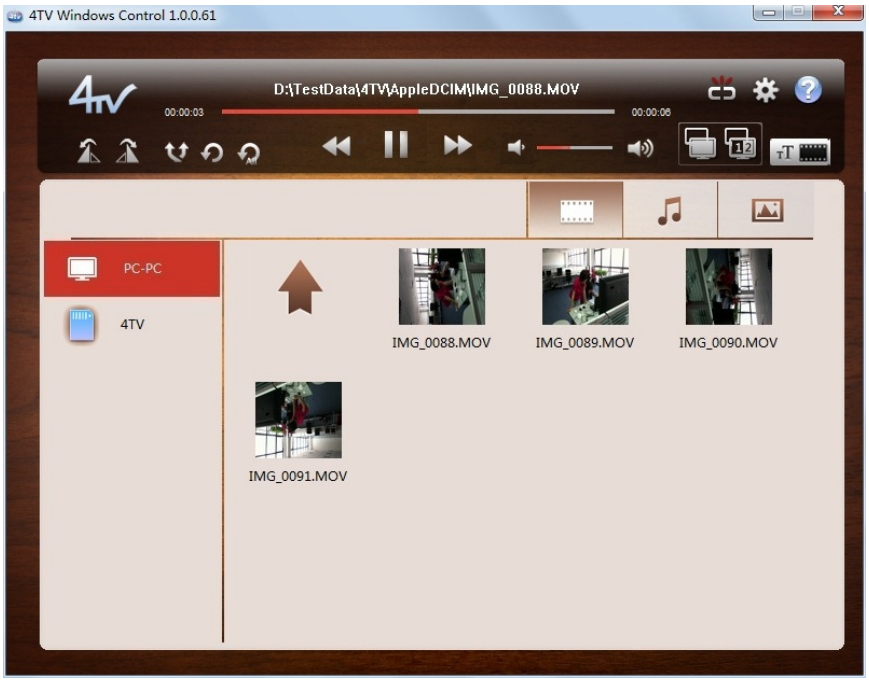


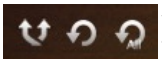
Select your preferred network and click the [**Connect**] button.

If the network is connected successfully, the 4TV Windows Control application will disconnect from the device automatically and the 4TV device will connect to the preferred network automatically.

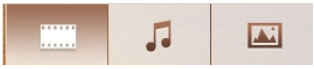
Play Media Files on the 4TV Device

In the “Play” Window, you can play a media item on the 4TV device by double clicking it.



- Click the playback control buttons ( ) to control the media item playback.
- Click the loop mode buttons () to switch the loop mode.
- Click the rotate buttons ( ) to rotate the photo.
- Switch media storage by clicking the item listed in the media server list.
  If the TF Card and USB storage device is inserted into the 4TV device, these devices will be listed in the DMS list too.

  Media Servers that meet the DLNA standard could also be found in this list. You can access the content provided by these servers.

- Click the category tab buttons () to change the media category (Movie/Music/Photo).

Mirror Content on the 4TV Device

In the "Play" window, you can click the [**Mirror**] button ( ) to show all the contents in your Windows computer on the 4TV device.

There are 2 mirror types: Main Type and Extend Type. If Main Type is selected, the main screen content will be outputted to the 4TV device; if Extend Type is selected, an extend screen will be enabled on the Windows PC and its content will be outputted to the 4TV device.

Click the [**Main Type**] mirror button ( ) to enter the Mirror function and enable the Main Type. Click this button again to exit the Mirror function.

Click the [**Extend Type**] mirror button ( ) to enter the Mirror function and enable the Extend Type. Click this button again to exit the Mirror function.

- Click on the [**Text Mode**] button ( ) to get better performance.
- Click on the [**Video mode**] button ( ) to get better video content playback.

Disconnect from the 4TV device

In the "Play" window, you can disconnect the 4TV device by clicking the [**Disconnect**] button ( ).

Get help

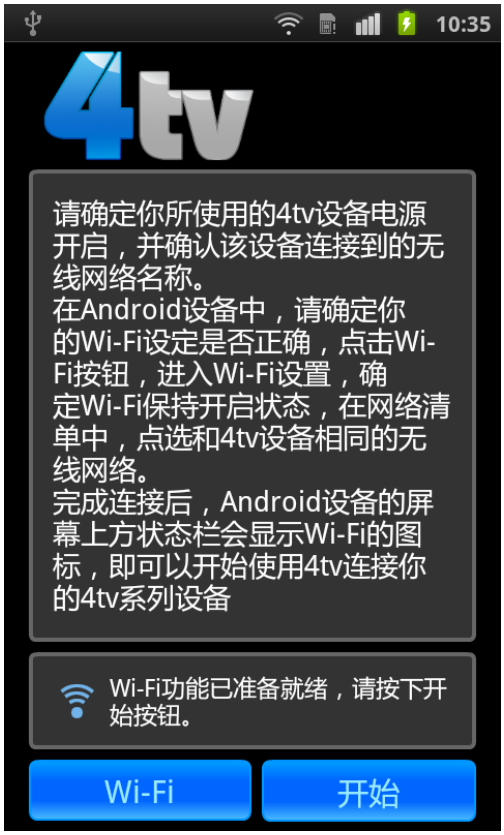
You can click the [**Help**] button ( ) to visit the product's online site.

4TV Android Control Application

4TV Android Control Application runs on Android 2.2 or above systems. To get better performance, the device with 1GHz CPU is recommended.

Network Connection Guide

When the application starts, the “Network Connection Guide” will be shown first. It will guide you on how to check the connected wireless network and how to connect to a specific wireless network.



If the WiFi is connected, you can tap on the [**Start**] button to continue; otherwise, please follow the guide to set the WiFi function.

Connect to the 4TV Device

You can find all the 4TV devices that connect to the same wireless network as the Android phone.

- Tap on the [**Refresh 4TV device list**] button ( ) to refresh the device list.

- Tap on the 4TV device list item to connect to the specific device.

- Tap on the [**FAQ**] item to get help information.

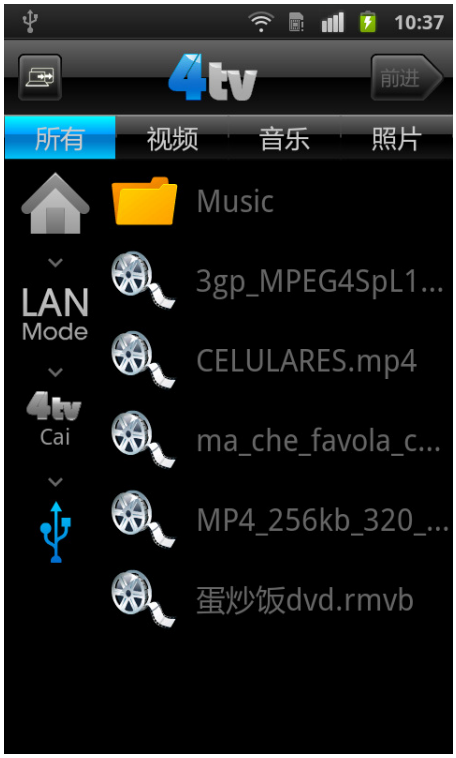
- Tap on the [**Home**] button ( ) to return to the guide screen.

Play Media File on the 4TV Device

Once the 4TV device is successfully connected, the 4TV control screen will be shown. You can play the media file on the 4TV device or mirror screen content on 4TV device.

On the “Control” screen, if the USB storage device and SD card have been connected to the 4TV device, they will appear in the media server list.

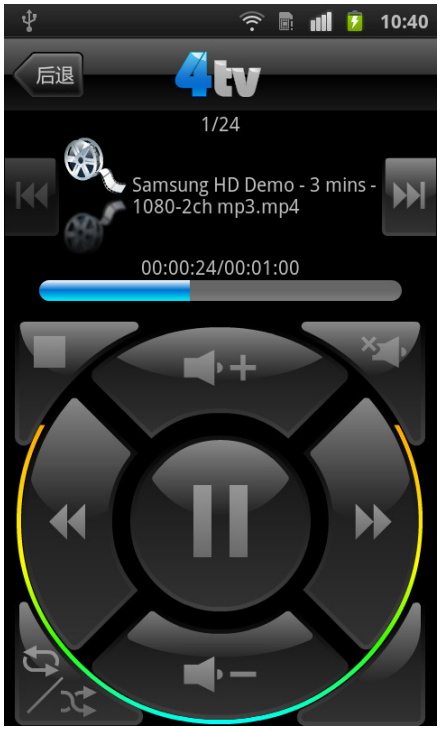
You can select the media server by tapping on the corresponding item. All media files under the root directory of the media server will be listed.



- Tap on the category buttons which are on the top of the list.

- Tap on the device to return to the 4TV Control Screen.

When you tap on a video or music item, the play screen below will be shown.



- Tap on the playback buttons to control the media item.
- Tap on the [**Back**] button ( ) or [**Back**] key on the Android Phone to return to the File List screen.

Mirror Content on the 4TV device

Note: *If you want to use the Mirror function on your Android device, please make sure that your Android device has been rooted (The root privilege can be granted to non-system applications).*

On the 4TV Control screen or the File List screen, tap on the [**Mirror**] button ( ) to mirror screen content on the 4TV device.

When the mirror function is enabled, you can press the [**Home**] key on your Android phone to switch to another application.

If you use the [**Back**] key on the Android phone to exit the 4TV Android Control application, the mirror function will quit automatically.

4TV Remote Configuration

On the 4TV Control screen, you can tap on the "**4TV Remote Configuration**" item to open the Remote Setting window.

In the Remote Setting window, you can get the 4TV system information, configure 4TV wireless network and change the TV mode.

Disconnect from the 4TV device

On the 4TV Control screen or File List screen, tap on the [**LAN**] button (

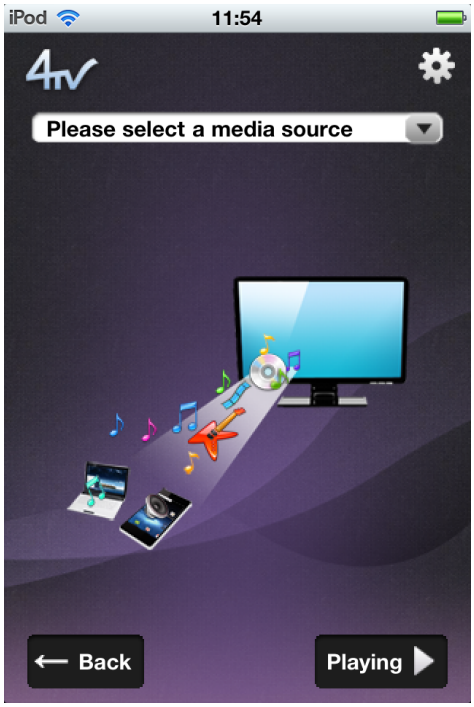
) to disconnect from the 4TV device.

4TV iOS Control Application

4TV iOS Control Application runs on iOS 4.2 or above systems. To get better performance, iPhone 3GS/4/4S, iPod Touch 4G, iPad 1st/2nd are recommended.

DMS Selection

When the application starts, the "DMS Selection" will be shown first.



- If a media clip is playing, you can tap on [**Playing**] button (Playing) to enter playback screen.
- You can select media content source from the media server list by tapping the combo box (Please select a media source).
  When the media server list is displayed, you can tap on any other area to close it.
- Tap on [**Setting**] button ( ) to show setting menu.

Play Local Media Content

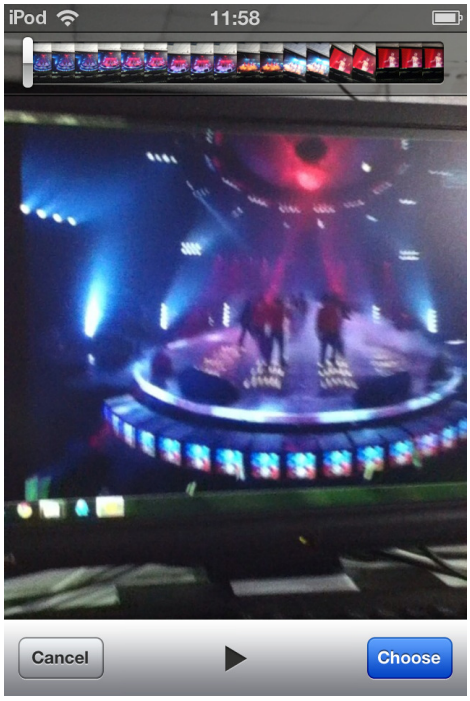
The following steps show how to play the media clips which are in local device.

Step 1. Select "Local Device" from media source list.
Step 2. The iOS Control application can list the "Camera Roll" and "Photo Library"

libraries. Select the library you want to access.

- Tap on [**Cancel**] button (Cancel) to back to previous screen.

Step 3. To playback a photo, you can just tap the file to go the next step. If you want to play a video, you must compress it before go the next step.
When a video clip is selected, the preview screen will be shown. Then you can preview it and compress it.

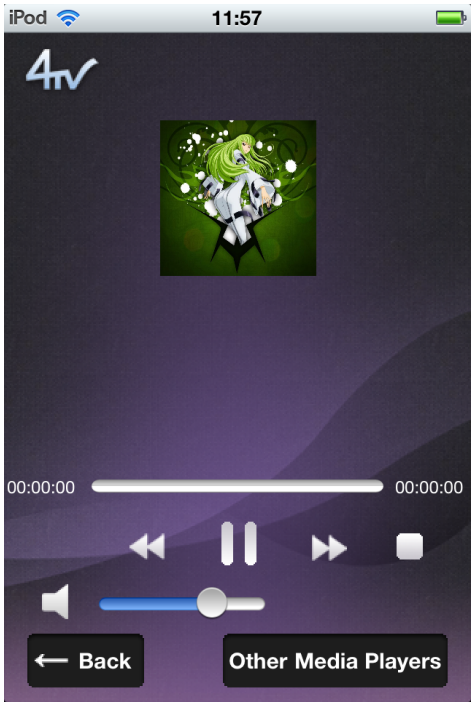


- Tap on [**Choose**] button (Choose) to compress current clip and go next step.

- Tap on [**Play**] button (▶) to preview current clip.
- Tap on [**Cancel**] button (Cancel) to back to previous screen.

Step 4. After a clip is select, the media player list will be displayed automatically. You should select a player to play the item.

Step 5. After the media player selected, the “Playback” screen will be shown.



- Tap on [**Other Media Players**] button (Other Media Players) to select another player to play current clip.

- Tap on [**Back**] button (← Back) to back to previous screen.

Play Media Content from Remote Server

The following steps show how to play the media clips which are on remote server.

Step 1. Select a DLNA DMS server, the shared library will be listed.

- Tap on list item to enter next level.
- Tap on [**Back**] button (← Back) to back to previous screen.
- Tap on [**Playing**] button (Playing ▶) to enter playback screen.
- Tap on [**Setting**] button (⚙) to show setting menu.

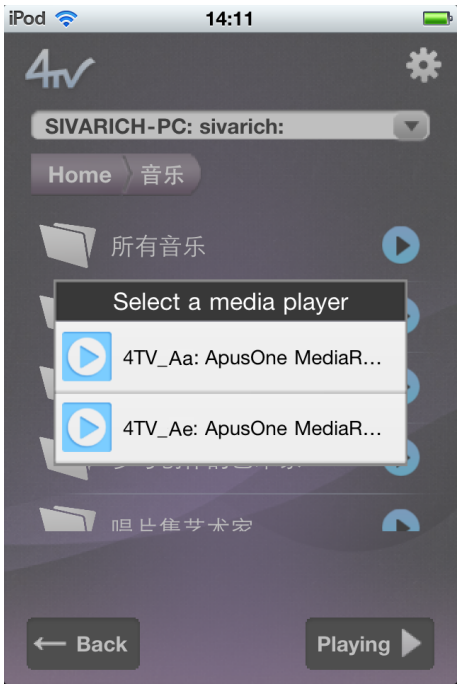
Step 2. Browse the shared media library.
You can select a folder to play form the list or just play a single file.

- Tap button on navigation row to go to the corresponding level directly.

- Tap [Play] button ( ) to play the selected item directly. If the selected item is a folder, all items included in the folder will be played continuously.
- Tap [Back] button (

) to back to previous screen.

Step 3. After a clip is select, the media player list will be displayed automatically. You should select a player to play the item.



Step 4. After the media player selected, the “Playback” screen will be shown.

- Tap on [**Other Media Players**] button (Other Media Players) to select another player to play current clip.
- Tap on [**Back**] button (← Back) to back to previous screen.

DLNA Support

The 4TV device is compliant with the DLNA standard. You can access the 4TV device from other DLNA-controlled applications, such as Windows Media Player, Clear.fi, Skifta etc.

When you use a DLNA-controlled application, you can find the 4TV device as a play device (render device) in the device list. Then, the media streams could be transferred to a 4TV device and playback.

For more details, you can get help information from the corresponding DLNA application.

Frequently Asked Questions

- **Why can't my 4TV device be connected to the wireless network automatically?**
  For first time users, the 4TV device works in AP mode by default. You need to configure the wireless network setting for it. Please refer to the "Quick Start: 4TV Windows Control"

- **Why can't I find my 4TV device on the 4TV Windows Control application?**
  Please make sure your Windows computer and the 4TV device have been connected to the same wireless network. Otherwise, the 4TV Windows Control application cannot find the device.

- **Why can't I play my media file on the 4TV device using the 4TV Windows Control application?**
  If you did not authorize the 4TV Windows Control application to connect to the network, the Windows firewall or other third party firewall applications will block the communication between the application and the 4TV device.

  When you used it the first time, there should have been an alert that the 4TV Windows Control application is requiring access to the network. If you did not authorize before, you need to run the firewall application and add exception settings for the 4TV Windows Control application.

- **Why is it so hard for my 4TV device to connect with the Windows Control application?**
  When the 4TV device works in LAN mode, the connection would be vulnerable to any interference in WiFi signal. Please check the WiFi signal strength of the wireless network which is being used currently. If the signal is too weak, please change to another wireless network.

- **Why is video playback not fluent?**
  The communication quality depends on the status of the wireless network. If the network is heavily overloaded, the playback operation will suffer interference.
  Please reduce the network overload and play again.

- **Why does the Mirror function not work on my Android device?**
  If you want to use the Mirror function on your Android device, the device must be rooted—the root privilege can be granted to non-system applications. Please check your device and make sure that the device had been rooted.